

Chapter 502: DIRECT WATERSHEDS OF LAKES MOST AT RISK FROM NEW DEVELOPMENT, AND URBAN IMPAIRED STREAMS

SUMMARY: This chapter describes the criteria used to identify the direct watersheds of lakes most at risk from new development and urban impaired streams and lists these waterbodies.

- 1. Applicability.** This chapter applies to (A) a project that requires a stormwater permit pursuant to 38 M.R.S.A. § 420-D, and (B) a development that may substantially affect the environment and requires a site location of development (Site Law) permit pursuant to 38 M.R.S.A. §§ 481 - 490.
- 2. Definitions.** Unless the context otherwise indicates, definitions of terms in chapter 500 apply to terms used in this chapter. See "Definitions", 06-096 CMR 500.3.
- 3. Criteria.** The criteria in this section are used to identify the direct watersheds of lakes most at risk from new development and urban impaired streams.

The criteria apply for both projects requiring a stormwater permit and developments requiring a site location of development permit, unless otherwise specifically stated.

A. Direct watershed of a lake most at risk from new development. A lake is considered most at risk from new development if it meets the criteria below. Lakes most at risk from new development are listed in Appendix A of this chapter if it is

- (1) A public water supply; or
- (2) Identified by the department as being in violation of class GPA water quality standards or as particularly sensitive to eutrophication based on
 - (a) Current water quality,
 - (b) Potential for internal recycling of phosphorus,
 - (c) Potential as a cold water fishery,
 - (d) Volume and flushing rate, or
 - (e) Projected growth rate in the watershed.

Severely blooming lakes are a subset of lakes most at risk. A severely blooming lake has a history of algal blooms, and the reduction of existing watershed phosphorus sources sufficient to eliminate those algal blooms is expected to be so difficult that the addition of new, incompletely mitigated development sources may prevent successful restoration of the lake.

B. Urban impaired streams. A stream is considered impaired if it fails to meet water quality standards because of effects of stormwater runoff from developed land. Additional stormwater treatment controls are necessary in urban watersheds of impaired streams because proposed stormwater sources in urban and urbanizing areas contribute to the further degradation of stream water quality. Impaired streams are listed in Appendix B of this rule and include all streams

listed under Category 4-A or Category 5-A in the 2004 Integrated Water Quality Monitoring and Assessment Report that have urban non-point source (NPS) indicated as a potential source.

AUTHORITY: 38 M.R.S.A. §§ 341-D, 420-D, and 484

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APPENDIX A

Lakes Most at Risk from New Development

(x) = Severely Blooming

LAKE	TOWN		
<u>ABRAMS LAKE</u>	<u>EASTBROOKE</u>		
ADAMS POND	BOOTHBAY		DUCKPUDDLE POND
ADAMS POND	NEWFIELD		DUMPLING POND
ADAMS POND	BRIDGTON		DUTTON POND
ALLEN POND	GREENE		EAGLE LAKE
ANASAGUNTICOOK LAKE	CANTON		EAST POND
ANDERSON POND	AUGUSTA		ECHO LAKE
<u>ANDROSCOGGIN LAKE</u>	<u>WAYNE</u>		ELL POND
ANNABESSACOOK LAKE (X)	WINTHROP		ESTES LAKE
BARTLETT POND	WATERBORO		ETNA POND
BAUNEG BEG POND	SANFORD		FAIRBANKS POND
BAY OF NAPLES	NAPLES		FLOODS POND
BEAVER POND	BRIDGTON		FOLLY POND
BERRY POND	WINTHROP		FOREST LAKE
BERRY POND	GREENE		FRESH POND
BIRCH HARBOR POND	WINTER HARBOR		GARDINER POND
BLACK POND	SWEDEN		GARLAND POND
BONNY EAGLE LAKE	BUXTON		GRANNY KENT POND
BOULTER POND	YORK		GRASSY POND
BOYD POND	LIMINGTON		<u>GREAT MOOSE LAKE</u>
BRANCH LAKE	ELLSWORTH		GREAT POND
BRANCH POND	CHINA		GREAT POND
BRETTUNS POND	LIVERMORE		GREELEY POND
BUKER POND	LITCHFIELD		GREEN POND
BUNGANUT POND	LYMAN		HALEY POND
BURNTLAND POND	STONINGTON		HALF MOON POND
CARLTON POND	WINTHROP		HALL POND
CHAFFIN POND	WINDHAM		HANCOCK POND
CHASES POND	YORK		HATCASE POND
CHICKAWAUKIE POND	ROCKPORT		HERMON POND
CHINA LAKE	CHINA		HIGHLAND LAKE
CITY POND	SANDY RIVER		HIGHLAND LAKE
	PLANTATION		HOBBS (LT PENNESSE.)
COBBOSSECONTEE LAKE (x)	WINTHROP		HOGAN POND
COCHNEWAGON LAKE	MONMOUTH		HOLBROOK POND
COFFEE POND	CASCO		HOLLAND POND
COLD RAIN POND	NAPLES		HORNE POND
CRAWFORD POND	WARREN		HOSMER POND
CRESCENT POND	RAYMOND		HUTCHINSON POND
CRYSTAL LAKE	GRAY		INGALLS POND
CRYSTAL POND	TURNER		INGHAM POND
DAM POND	AUGUSTA		ISINGLASS POND
DAMARISCOTTA LAKE,	NOBLEBORO		JACOB BUCK POND
MIDDLE AND SOUTH BASINS			JIMMIE (JAMIES) POND
DAVIS POND	HOLDEN		JIMMY POND
DEER POND	HOLLIS		JORDAN POND
DEERING POND	SANFORD		KENNEBUNK POND
DESERT POND	MOUNT VERNON		KEZAR POND
DEXTER POND	WINTHROP		KILLICK POND
DODGE POND	RANGELEY		KNICKERBOCKER POND
			KNIGHT POND
			LAKE AUBURN
			LAKE GEORGE
			LAKE WOOD
			LILLY POND
			LILY POND
			LILY POND
			LITTLE COBBOSSEE
			LITTLE DUCK POND
			LITTLE MEDOMAK POND
			LITTLE OSSIPEE
			WALDOBORO
			CASCO
			CHINA ALBION
			BAR HARBOR
			SMITHFIELD
			PRESQUE ISLE
			SANFORD
			SANFORD
			STETSON
			MANCHESTER
			OTIS
			VINALHAVEN
			WINDHAM
			NORTH HAVEN
			WISCASSET
			GARLAND
			SHAPLEIGH
			ROCKPORT
			<u>HARTLAND</u>
			BELGRADE & ROME
			CAPE ELIZABETH
			AUGUSTA
			OXFORD
			RANGELEY
			PROSPECT
			PARIS
			EMBDEN
			DEDHAM
			HERMON
			BRIDGTON
			WINDHAM
			NORWAY
			OXFORD
			HOLDEN
			LIMERICK
			LIMINGTON
			CAMDEN
			MANCHESTER
			BRIDGTON
			MOUNT VERNON
			LIMINGTON
			BUCKSPORT
			MANCHESTER
			LITCHFIELD
			MOUNT DESERT
			LYMAN
			WINTHROP
			HOLLIS
			BOOTHBAY
			SOUTH BERWICK
			AUBURN
			SKOWHEGAN
			BAR HARBOR
			ROCKPORT
			SIDNEY
			NEW GLOUCESTER
			WINTHROP
			WINDHAM
			WALDOBORO
			WATERBORO

LITTLE POND	DAMARISCOTTA	PATTEN POND	HAMPDEN
LITTLE PURGATORY POND	MONMOUTH	PEMAQUID POND	WALDOBORO
LITTLE SABATTUS	GREENE	PENNESSEEWASSEE	NORWAY
LITTLE SEBAGO LAKE	WINDHAM	PETINGILL POND	WINDHAM
LITTLE TOGUS POND	AUGUSTA	PLEASANT POND	TURNER
LITTLE WATCHIC POND	STANDISH	PLEASANT POND (X)	RICHMOND
LITTLE WILSON POND	TURNER	POVERTY POND	NEWFIELD
LONG LAKE	BRIDGTON	QUIMBY POND	RANGELEY
<u>LONG POND</u>	<u>BELGRADE</u>	RAYMOND POND	RAYMOND
LONG POND	MOUNT DESERT	RICH MILL POND	STANDISH
LONG POND	BUCKSPORT	ROBERTS WADLEY POND	LYMAN
LONG POND	SULLIVAN	ROCKY POND	ROCKPORT
LOON POND	SABATTUS	ROUND POND	RANGELEY
LOON POND	LITCHFIELD	RUNAROUND POND	DURHAM
LOVEJOY POND	ALBION	SABATTUS POND (X)	GREENE
LOWER AND UPPER PONDS	SKOWHEGAN	SABBATHDAY LAKE	NEW GLOUCESTER
LOWER HADLOCK POND	MOUNT DESERT	SALMON L (ELLIS P)	BELGRADE
LOWER NARROWS POND	WINTHROP	SALMON STREAM POND	GUILFORD
LOWER RANGE POND	POLAND	SAND POND	MONMOUTH
MACES POND	ROCKPORT	SAND POND	LIMINGTON
MANSFIELD POND	HOPE	SANDY BOTTOM POND	TURNER
MARANACOOK LAKE	WINTHROP	SANDY POND	FREEDOM
MARSHALL POND	OXFORD	SAWYER POND	GREENVILLE
MCGRATH POND	OAKLAND	SCITUATE POND	YORK
MEDOMAK POND	WALDOBORO	SEBAGO LAKE	SEBAGO
MEGUNTICOOK LAKE	LINCOLNVILLE	SEBASTICOOK LAKE	NEWPORT
<u>MESSALONSKEE LAKE</u>	<u>BELGRADE</u>	SECOND POND	DEDHAM
MIDDLE BRANCH POND	ALFRED	SEWALL POND	ARROWSIC
MIDDLE RANGE POND	POLAND	SHAKER POND	ALFRED
MIRROR LAKE	ROCKPORT	SHERMAN LAKE	NEWCASTLE
MOODY POND	LINCOLNVILLE	SHY BEAVER POND	SHAPLEIGH
MOODY POND	WATERBORO	SILVER LAKE	BUCKSPORT
MOOSE HILL POND	LIVERMORE FALLS	SPECTACLE POND	VASSALBORO
MOOSE POND	OTISFIELD	STARBIRD POND	HARTLAND
MOUNT BLUE POND	AVON	SWAN POND	LYMAN
MOUSAM LAKE	SHAPLEIGH	SWETTS POND	ORRINGTON
MUD POND	WINSLOW	SYMMES POND	NEWFIELD
MUD POND	CHINA	TAYLOR POND	AUBURN
MUD POND	WINDSOR	THOMAS POND	CASCO
MUD POND	OXFORD	THOMPSON LAKE	OXFORD
MURDOCK POND	BERWICK	THREECORNERED POND	AUGUSTA
NEQUASSET POND	WOOLWICH	THREEMILE POND (X)	WINDSOR
NICHOLS POND	SWANVILLE	TOGUS POND	AUGUSTA
NO NAME POND	LEWISTON	TOLMAN POND	AUGUSTA
NOKOMIS POND	NEWPORT	TOOTHAKER POND	PHILLIPS
NORTH POND	NORWAY	TRAVEL POND	JEFFERSON
NORTH POND	SUMNER	TRICKEY POND	NAPLES
NORTH POND	SMITHFIELD	TRIPP POND	POLAND
NORTON POND	LINCOLNVILLE	TYLER POND	MANCHESTER
NOTCHED POND	RAYMOND	UNITY POND	UNITY
NUBBLE POND	RAYMOND	UPPER NARROWS POND	WINTHROP
OAKS POND	SKOWHEGAN	UPPER RANGE POND	POLAND
OTTER POND	BRIDGTON	WADLEY POND	LYMAN
OTTER PONDS #2	STANDISH	WARD POND	SIDNEY
PANTHER POND	RAYMOND	WARDS POND	LIMINGTON
PARADISE POND	DAMARISCOTTA	WARREN POND	SOUTH BERWICK
PARKER POND	CASCO	WASSOOKEAG LAKE	DEXTER
PARKER POND	JAY	WATCHIC POND	STANDISH
PARKER POND	LYMAN	WEBBER POND (X)	VASSALBORO
PATTEE POND	WINSLOW	WEST GARLAND POND	GARLAND

WEST HARBOR POND	BOOTHBAY HARBOR	YOUNGS LAKE	WESTFIELD
WHITES POND	PALMYRA		
WHITNEY POND	OXFORD		
WHITTIER POND	ROME		
WILEY POND	BOOTHBAY		
WILSON POND	WAYNE		
WOOD POND	BRIDGTON		
WOODBURY POND	MONMOUTH		
WORTHLEY POND	POLAND		
YORK POND	ELIOT		

APPENDIX B

Urban impaired streams

STREAM	TOWN
BOBBIN MILL BROOK	AUBURN
LOGAN BROOK	AUBURN
UNNAMED TRIBUTARY TO BOND BROOK (entering below I-95)	AUGUSTA
PENJAJAWOC STREAM, including MEADOW BROOK	BANGOR
BIRCH STREAM (OHIO STREET)	BANGOR
UNNAMED BROOK (PUSHAW ROAD)	BANGOR
ARCTIC BROOK (VALLEY AVENUE)	BANGOR
SHAW BROOK	BANGOR, HAMPDEN
MARE BROOK	BRUNSWICK
UNNAMED TRIBUTARY TO ANDROSCOGGIN RIVER (near Jordan Avenue)	BRUNSWICK
UNNAMED TRIBUTARY TO ANDROSCOGGIN RIVER (near River Road)	BRUNSWICK
UNNAMED TRIBUTARY TO ANDROSCOGGIN RIVER (near Water Street)	BRUNSWICK
CARIBOU STREAM	CARIBOU
FROST GULLY BROOK	FREEPORT
CONCORD GULLY	FREEPORT
DILL BROOK	LEWISTON
JEPSON BROOK	LEWISTON
BROWN BROOK	LIMERICK
MATTANAWCOOK STREAM	LINCOLN
UNNAMED STREAM (Route 196)	LISBON FALLS
CAPISIC BROOK	PORTLAND
FALL BROOK	PORTLAND
NASONS BROOK	PORTLAND
GOOSEFARE BROOK	SACO
TROUT BROOK (including KIMBALL BROOK)	SOUTH PORTLAND
BARBERRY CREEK	SOUTH PORTLAND
LONG CREEK	SOUTH PORTLAND
PHILLIPS BROOK	SCARBOROUGH
RED BROOK	SCARBOROUGH, SOUTH PORTLAND
WHITTEN BROOK	SKOWHEGAN
UNNAMED TRIBUTARY TO ANDROSCOGGIN RIVER (near Topsham Fair Mall)	TOPSHAM
MILL STREAM	WINTHROP